

Helena

**Asset® RTU 50G****GRANULAR FERTILIZER ADDITIVE AND MICRONUTRIENTS****GUARANTEED ANALYSIS**

Boron (B) .....	0.02%
Copper (Cu) .....	0.05%
0.05% Chelated Copper (Cu)	
Iron (Fe) .....	0.10%
0.10% Chelated Iron (Fe)	
Manganese (Mn) .....	0.05%
0.05% Chelated Manganese (Mn)	
Molybdenum (Mo) .....	0.0005%
Zinc (Zn) .....	0.10%
0.10% Chelated Zinc (Zn)	

Derived from manganese EDTA, zinc EDTA, copper EDTA, iron HEDTA, sodium octaborate and sodium molybdate.

The chelating agent is EDTA (ethylenediaminetetraacetic acid) or HEDTA (hydroxyethylenediaminetetraacetic acid).

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS:

6% mixed carboxylates.

**KEEP OUT OF REACH OF CHILDREN****CAUTION**

Contains **Boron** and **Molybdenum**. Do not use on plants sensitive to **Boron**. Use of Boron on plants other than those recommended may result in serious injury to the plants. Plants containing excess amounts of **Molybdenum** are toxic to grazing ruminant animals.

See Additional Precautionary Statements Below.

Patent No. 5,725,630

SN 1202/0206

NET WEIGHT: 50 lbs (22.68 kg)

Information about the components of this lot of fertilizer may be obtained by writing to Helena Chemical Company, 225 Schilling Boulevard, Suite 300, Collierville, TN 38017 and giving the lot number which is found on the container.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapco.org/metals.htm>.

F224

MANUFACTURED FOR  
HELENA CHEMICAL COMPANY  
225 SCHILLING BOULEVARD, SUITE 300  
COLLIERVILLE, TN 38017

**PRECAUTIONARY STATEMENTS****CAUTION**

**BEFORE USING THIS PRODUCT, READ ALL PRECAUTIONS, DIRECTIONS FOR USE, CONDITIONS OF SALE—LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES.**

May be harmful if swallowed, inhaled, or absorbed through skin. May cause eye irritation. Avoid breathing dust. Avoid contact with skin, eyes, and clothing. Do not apply this product in such a manner as to directly expose workers or other persons. In addition, follow precautionary statements on accompanying pesticide label(s) that may be applied with this product.

**WHAT TO DO IN CASE OF CONTACT:**

**IF INHALED:** Move victim to fresh air. Give artificial respiration if needed. See a physician.

**IF SWALLOWED:** Give a large amount of water to drink, make person vomit and immediately call a physician. Do not induce vomiting or give anything by mouth to an unconscious person.

**IF IN EYES:** Immediately flush eyes with clean water for at least 15 minutes. Call a physician if irritation persists.

**IF ON SKIN:** Remove contaminated clothing and wash skin with soap and water. Call a physician if irritation persists.

If there is contact made with the spray solution containing pesticides and/or spray adjuvants, follow the "Statement of Practical Treatment/First Aid" on the product(s) labeling.

**STORAGE AND DISPOSAL**

Store in original container only. Keep packages tightly closed and do not allow water to be introduced to container contents. Do not store this product near heat or open flame.

**Container Disposal:** Empty packaging should be offered for recycling or disposal in accordance with Federal, State and Local authorities. If packaging is

burned, stay out of smoke. For help in chemical emergencies involving spill, leak, fire or exposure, call toll free 1-800-424-9300.

**GENERAL INFORMATION**

ASSET® RTU 50G is a plant micronutrient product that contains a proprietary fertilizer additive. When used in conjunction with sound fertility practices, ASSET® RTU 50G improves quality and production for a wide range of agricultural, ornamental, and turf practices.

Applications of ASSET® RTU 50G with granular pesticides are possible in accordance with pesticide application guidelines. ASSET® RTU 50G is compatible with most pesticides and other fertilizers. Care must be taken to apply the correct amount of granular pesticide when applying with another granular product.

**SOIL APPLICATIONS**

For in-furrow or broadcast applications, apply 4-12 pounds of ASSET® RTU 50G per acre. Best results are obtained when ASSET® RTU 50G is applied in a zone or band in the soil and incorporated to a depth of two (2) to four (4) inches. The recommendations for use of this product are based upon the best current information available.

**APPLICATION EQUIPMENT CALIBRATION**

Proper application of this product is critical for maximum benefit. Application equipment should be carefully calibrated to deliver the desired application rate.

1. Decide the per acre rate for the intended application. Apply 4-12 pounds of ASSET® RTU 50G per acre.
2. Using Table 1 below, determine the ounces of product to be applied per 1,000 row-feet based on the row spacing and predetermined rate per acre.
3. Fill hopper.
4. Attach a plastic bag or a recommended calibration tube to a tube opening to catch all granules for one row.
5. Set your planter to deliver the estimated rate per 1,000 row-feet.
6. Drive a pre-measured 1,000 foot distance and collect product in the plastic bag.
7. Compare the weight of the granules caught in the bag to the predetermined number of ounces of ASSET® RTU 50G per 1,000 feet.

Table 1

Pounds of ASSET® RTU 50G Per Acre	Amount of ASSET® RTU 50G per 1,000 Feet of Row from Different Row Spacings (Ounces per 1,000 feet of row)									
	(Row Spacing-inches)									
	40"	38"	36"	34"	32"	30"	22"	18"	15"	
4 Pounds	4.9	4.7	4.4	4.2	3.9	3.7	2.7	2.2	1.8	
6 Pounds	7.3	7.0	6.6	6.2	5.9	5.5	4.0	3.3	2.8	
8 Pounds	9.8	9.3	8.8	8.3	7.8	7.3	5.4	4.4	3.7	
12 Pounds	14.7	14.0	13.2	12.5	11.8	11.0	8.1	6.6	5.5	

**CONDITIONS OF SALE—LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES**

**Read the Conditions of Sale—Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.**

This label is believed to be reliable and should be followed carefully. Injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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**Disclaimer:** Always refer to the label on the product before using Helena or any other agrichemical product. VID 2.20.06

**ASSET RTU 50G**

Helena Chemical Company  
PH: 901-761-0050  
CHEMTREC: 1-800-424-9300  
Effective Date: 01-02-03  
Product: ASSET RTU 50G

**I. IDENTIFICATION**

**Chemical Name:** NOT APPLICABLE, FORMULATED MIXTURE  
**Chemical Family:** METAL CHELATES AND FERTILIZERS  
**Formula:** NOT APPLICABLE, FORMULATED MIXTURE  
**Synonyms:** NONE  
**CAS Number:** TRADE SECRET  
**EPA Number:** NONE REQUIRED

**II. PHYSICAL DATA**

**Boiling Point:** >100 DEGREES C.  
**Freezing Point:** NOT APPLICABLE  
**Spec Gravity:** 0.841 GMS/CC  
**Vapor Pressure:** NOT APPLICABLE  
**Vapor Density:** NOT APPLICABLE  
**Solubility:** NOT APPLICABLE  
**Volatiles:** NOT APPLICABLE  
**Evaporation:** NOT APPLICABLE  
**Melting Point:** NOT ESTABLISHED  
**Appearance:** TAN GRANULES, LOW ODOR.

**III. INGREDIENTS**

Material	CAS Number	Percent	TLV	Hazard
PROPRIETARY BLEND OF CARBOXYLIC ACIDS, METAL EDTA CHELATES, SODIUM MOLYBDATE AND CLAY GRANULES (6% MIXED CARBOXYLATES)		100.00	10 MG/M3	SKIN & EYE IRRITANT

**IV. FIRE AND EXPLOSION HAZARD**

**Flash Point:** NON-COMBUSTIBLE  
**Autoignition Temp:** NOT APPLICABLE  
**Flammable Limit:** NOT APPLICABLE  
**Extinguishing Media:** NON-COMBUSTIBLE PRODUCT. USE EXTINGUISHING MEDIA FOR UNDERLYING CAUSE OF FIRE.  
**Special Fire Fight Proc:** WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.  
**Fire and Expl Hazard:** PRODUCT GENERATES TOXIC AND IRRITATING FUMES UNDER FIRE CONDITIONS.

**V. HEALTH HAZARD**

**Carcinogen Information:** NONE CURRENTLY KNOWN.  
**ACUTE EFFECTS OF OVER EXPOSURE**  
**Swallowing:** RESULTS IN VOMITING AND ABDOMINAL CRAMPS.  
**Skin Absorption:** MAY BE HARMFUL BY SKIN ABSORPTION.  
**Inhalation:** INHALATION MAY CAUSE IRRITATION TO NOSE AND THROAT.  
**Skin contact:** SKIN CONTACT MAY CAUSE IRRITATION.  
**Eye Contact:** EYE CONTACT RESULTS IN SEVERE IRRITATION.  
**Chronic Effects:** NONE CURRENTLY KNOWN.  
**Other Hazard:** NONE CURRENTLY KNOWN.  
**EMERGENCY AND FIRST AID PROCEDURES**  
**Swallowing:** GIVE A LARGE AMOUNT OF WATER TO DRINK, MAKE PERSON VOMIT AND IMMEDIATELY CALL A PHYSICIAN. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.  
**Skin:** REMOVE CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER. CALL A PHYSICIAN IF IRRITATION DEVELOPS OR PERSISTS.

**Inhalation:** MOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NEEDED. IMMEDIATELY CALL A PHYSICIAN.

**Eyes:** FLUSH EYES WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. CALL A PHYSICIAN IF IRRITATION DEVELOPS OR PERSISTS.

**Notes to Physician:** IN THE EVENT OF AN ADVERSE RESPONSE, TREATMENT SHOULD BE DIRECTED TOWARD CONTROL OF THE SYMPTOMS AND THE CLINICAL CONDITION OF THE PATIENT. INGESTION MAY CAUSE CORROSIVE DAMAGE TO THE DIGESTIVE TRACT.

**VI. REACTIVITY**

**Stability:** Stable  
**Conditions to Avoid:** NONE CURRENTLY KNOWN  
**Polymerization:** Will Not Occur  
**Conditions to Avoid:** NONE CURRENTLY KNOWN.  
**Incompatibility material:** PRODUCT MAY REACT VIGOROUSLY WITH ACIDIC MATERIALS.  
**Hazardous Combustion:** MAY PRODUCE AMMONIA GAS AND OXIDES OF CARBON UNDER FIRE CONDITIONS.

**VII. SPILL OR LEAK PROCEDURES**

**Spill or Leak Proc:** CONTAIN SPILL. IF UNCONTAMINATED, RECOVER AND REUSE PRODUCT. IF CONTAMINATED, SWEEP OR VACUUM UP AND PLACE IN A PLASTIC RECOVERY DRUM FOR PROPER DISPOSAL.  
**Waste Disposal Method:** THIS MATERIAL MUST BE DISPOSED OF ACCORDING TO FEDERAL, STATE, OR LOCAL PROCEDURES UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT.

**VIII. SPECIAL PROTECTION INFORMATION**

**Respiration:** NONE NEEDED UNDER NORMAL CONDITIONS. UNDER FIRE CONDITIONS OR IF VAPORS EXCEED TLV, USE NIOSH/MSHA APPROVED RESPIRATOR.  
**Ventilation:** LOCAL EXHAUST SUFFICIENT.  
**Gloves:** IMPERVIOUS  
**Eyes:** SPLASH PROOF GOGGLES.  
**Other:** EMERGENCY SHOWER, EYE WASH STATION, IMPERVIOUS APRON AND FOOTWEAR.

**IX. SPECIAL PRECAUTIONS**

**Special precaution:** KEEP OUT OF REACH OF CHILDREN. DO NOT STORE WITH FOOD, FEED, OR OTHER MATERIAL TO BE USED OR CONSUMED BY HUMANS OR ANIMALS. DO NOT CONTAMINATE WATER SUPPLIES, LAKES, STREAMS, OR PONDS. PROTECT AGAINST PHYSICAL DAMAGE. KEEP SEPARATE FROM OXIDIZING AND ACIDIC MATERIALS.  
**Other precaution:**

**X. SHIPPING INFORMATION**

**Shipping name:** NOT REGULATED BY DOT, IATA, OR IMO  
**Hazard Class:** NONE  
**Identification No:** NONE  
**Labels Required:** NONE  
**Placarding:** NONE  
**Freight Class:** COMPOUND, FERTILIZER (MANUFACTURED FERTILIZER), SOLID, NOIBN

Chemical Name	Equivalent R.Q.
NOT APPLICABLE	NOT APPLICABLE

**XI. GENERAL PRODUCT INFORMATION**

**National Fire Protection Association Rating:**  
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)  
**Health:** 2  
**Fire:** 0  
**Reactivity:** 0  
**S.A.R.A. Title III Hazard Classification:** (Yes/No)  
**Immediate (Acute) Health:** Y  
**Delayed (Chronic) Health:** N  
**Sudden Release of pressure:** N  
**Fire:** N  
**Reactive:** N

Mail inquiries to: 225 Schilling Blvd., Suite 300  
Collierville, TN 38017

Helena Chemical Company believes that the data contained herein is factual. This data is not to be taken as a warranty or representation of legal responsibility. It is offered solely for your consideration, investigation and verification.

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